

Xuekai WEI 魏雪凯

Postdoctoral Scholar

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Education

- PhD of Computer Science
City University of Hong Kong, Hong Kong 2017.09 – 2021.02

Publications

- [2022] Xuekai Wei, Mingliang Zhou, Weijia Jia: *Towards Low-Latency and High-Quality Adaptive 360-Degree Streaming*. IEEE Trans. on Industrial Informatics. (JCR Q1).
- [2022] Xuekai Wei, Jing Li, Mingliang Zhou, Xianmin Wang: *Contrastive Distortion-level Learning-based No-reference Image-quality Assessment*. International Journal of Intelligent Systems. (JCR Q1).
- [2022] Mingliang Zhou, Xuekai Wei*, Chen Ji, Tao Xiang, Bin Fang: *Optimum Quality Control Algorithm for Versatile Video Coding*. IEEE Trans. on Broadcasting. (JCR Q1) (*corresponding author).
- [2021] Xuekai Wei, Mingliang Zhou, Sam Kwong, Hui Yuan, Weijia Jia: *A Hybrid Control Scheme for 360-Degree Dynamic Adaptive Video Streaming over Mobile Devices*. IEEE Trans. Mobile Computing. (JCR Q1).
- [2021] Xuekai Wei, Mingliang Zhou, Sam Kwong, Hui Yuan, Shiqi Wang, Guopu Zhu: *Reinforcement Learning-based QoE-oriented Dynamic Adaptive Streaming Framework*. Information Sciences. (JCR Q1).

Research Interests

- Machine learning, Video coding, Dynamic streaming, Graph learning

Projects

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Selected Awards & Honors

- Research Tuition Scholarship (for the period from Sept. 2019 – Aug. 2020) CityU
- OAPA: Outstanding Academic Performance Award 2019 (2019 – 2020) CityU
- Best Bachelor Degree Thesis Award of Shandong Province (2010 – 2014) SDU

Academic Services

- Reviewer for IEEE Transactions on Image Processing, IEEE Transactions on Multimedia, IEEE Transactions on Industrial Informatics, IEEE Transactions on Broadcasting, International Journal of Pattern Recognition and Artificial Intelligence, Software: Practice and Experience, 2020 IEEE International Conference on Visual Communications and Image Processing, 2018 Pacific Graphics.